

ABSTRACT OF THE DISCLOSURE

LIGHT-CONVERTING MATERIAL COMPRISING A BARIUM MAGNESIUM
SILICATE AS ADDITIVE

5

The invention concerns a light transforming material,
in particular for greenhouse walls, comprising as
additive a barium and magnesium silicate of formula $Ba;$
10 $3(1-x)Eu; 3xMg; 1-yMn; ySi; 2O; (1)$, wherein $0 < x =$
 0.3 and $0 < y = 0.3$. Said material is capable of
transforming solar energy of UV range into a red light.
Said material can also be used in paints and cosmetics.